



BDTA White Paper presentation & discussion

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Goals

- ▶ Coordination with BDTA (Building Digital Twin Association) to collaboratively write a whitepaper on a survey of ontologies for the building and construction domains
- ▶ Many projects developing ontologies need to review against the same ontologies
- ▶ Similar issues developing and using ontologies
- ▶ Identify gaps and needs commonly

Steps

- ▶ Sister projects meetings
 - ▶ June 11th 2021 sister projects meeting BIMERR, BIM4EEB, BIM4REN, etc.
 - ▶ October 14th, 2021 – Co-located with CIB W78 - LDAC 2022
 - ▶ Workshop Linking EU H2020 projects on digitization in the construction and maintenance industry: Linked Data and ontologies for BIM and Building Digital Twins
 - ▶ 17th January. Online
 - ▶ 25th March. Online
 - ▶ 26th May. F2F workshop at the BDTIC 2022 congress
- ▶ **Today!**



1. **INTRODUCTION**
2. **SEMANTIC WEB TECHNOLOGIES**
3. **ONTOLOGIES REVIEW**
 - 3.1 **BUILDING**
 - The Annex 81
 - The BIMERR ontology
 - Ontologies for Digital Twins: SPHERE or COGITO
 - SAREF and SAREF4BLDG ontologies
 - SSN/SOSA
 - BOT ontology
 - How is BOT
 - BIM4EEB Digital Construction Ontologies,

- DICO
- BRICK ontology
- Core concepts of BRICKS
- BPO: Building Product Ontology
- 3.2. **REAL STATE**
 - The RealStateCore (REC) ontology
- 3.3. **Quality Control**
- 4. **USE CASES**
- 5. **CONCLUSIONS. WHERE TO GO**
 - The onto global map for building
- 6. **APPENDIX: SOFTWARE TOOLS**

